

1	2.1 dB/100m	75.3	72.3	73.2	70.2	68	65.0	20	67.0	67.0	40	35
4	3.8 dB/100m	66.3	63.3	62.5	59.5	56	53.0	23	67.0	66.2	40	23
10	5.9 dB/100m	60.3	57.3	54.4	51.4	48	45.0	25	67.0	58.2	40	15
16	7.5 dB/100m	57.2	54.2	49.8	46.8	43.9	40.9	25	67.0	54.1	38	10.9
31.2	10.5 dB/100m	52.9	49.9	42.4	39.4	38.1	35.1	23.6	67.0	48.3	35.1	5.1
62.5	15 dB/100m	48.4	45.4	33.4	30.4	32.1	29.1	21.5	65.6	42.3	32	
100	19.1 dB/100m	45.3	42.3	26.2	23.2	28	25.0	20.1	62.5	38.2	30	
125	21.5 dB/100m	43.8	40.8	22.3	19.3	26.1	23.1	19.4	61.0	36.3	29	
200	27.6 dB/100m	40.8	37.8	13.2	10.2	22	19.0	18	58.0	32.2	27	
250	31.1 dB/100m	39.3	36.3	8.3	5.3	20	17.0	17.3	56.5	30.2	26	
300	34.3 dB/100m	38.1	35.1	3.9	0.9	18.5	15.5	17.3	55.3	28.7		
500	45.3 dB/100m	34.8	31.8	-10.4	-13.4	14	11.0	17.3	52.0	24.2		
550	47.7 dB/100m	34.2	31.2	-13.5	-16.5	13.2	10.2	14.9	51.4	23.4		

Voltage

Voltage Rating
72 V DC

Mechanical Characteristics

Temperature

Operating	Installation
-30°C to 60°C	0°C To +50°C

Bend Radius

Stationary Min.	Installation Min.
29 mm (1.1 in)	58 mm

Max. Pull Tension:	110 N (25 lbf)
Bulk Cable Weight:	50 kg/km

Standards and Compliance

Environmental Suitability:	Euroclass Eca
Flammability / Reaction to Fire:	IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Eca; CPR UKCA Class: Eca
IEEE Compliance:	PoE: IEEE 802.3bt Type 1, Type 2, Type 3, Type 4
Data Category:	Category 6A
TIA/EIA Compliance:	ANSI/TIA 568.2-D
ISO/IEC Compliance:	ISO/IEC 11801-1, IEC 61034-2 - Smoke Density Min Transmittance = 60%
CENELEC Compliance:	EN 50173-1, Segregation class according EN50174-2 = b
European Halogen Free Standards:	IEC 62821-1 Halogen Free Compliance = Yes, IEC 60754-1 - Halogen Amount = Zero, IEC 60754-2 - Halogen Acid Gas Amount - Max. Conductivity = 2.5 µS/mm, IEC 60754-2 - Halogen Acid Gas Amount - Min. pH = 4.3
European Directive Compliance:	EU CE Mark
UK Regulation Compliance:	UKCA Mark

Product Notes

Notes:	Electrical values are expected performance based on cable testing and representative performance within a typical Belden system.
--------	--

History

Update and Revision:	Revision Number: 0.330 Revision Date: 01-08-2024
----------------------	--

Part Numbers

Variants

Item #	Color	Putup Type	Length	EAN
10GB24.06B100	Blue	Reel	100 m	8719605000040
10GB24.06305	Blue	Reel	305 m	8719605000026
10GB24.06500	Blue	Reel	500 m	8719605000033
10GB24.08305	Gray	Reel	305 m	8719605000071
10GB24.05500	Green	Reel	500 m	8719605224309
10GB24.03500	Orange	Reel	500 m	8719605224286
10GB24.07B100	Purple	Reel	100 m	8719605000064

10GB24.07305	Purple	Reel	305 m	8719605169679
10GB24.07500	Purple	Reel	500 m	8719605000057
10GB24.09500	White	Reel	500 m	8719605000088
10GB24.04500	Yellow	Reel	500 m	8719605224293

© 2024 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.